

EAST SEARCH

4/24/2007

L#	Hits	Search String	Databases
S1	93911	gear near2 (system or train)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S2	398	(gear near2 (system or train)) with (oscillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S3	600	(gear near2 (system or train)) with (vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S4	39	(gear near2 (system or train)) with (torsional near2 vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S5	984	S2 or S3 or S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S6	62	S5 and (gear with characteristic\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S7	22	S5 and (gear with parameter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S8	5	S5 and (simulat\$3 with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S9	67	S5 and (oscillation or vibration) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S10	85	S5 and (oscillation or vibration) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S11	7	S5 and (solv\$3 or solution) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S12	213	S5 and ((oscillation or vibration) with (frequency or amplitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S13	54	S5 and ((driving near2 gear) with (driven near2 gear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S14	230	S6 or S7 or S8 or S9 or S10 or S11 or S13	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S15	97	S12 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S16	230	S14 or S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S25	85	S20 and ((oscillation or vibration) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S23	5	S20 and (simulat\$3 with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S19	39	(gear near2 (system or train)) with (torsional near2 vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S27	213	S20 and ((oscillation or vibration) with (frequency or amplitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S17	398	(gear near2 (system or train)) with (oscillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S30	97	S27 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S31	230	S29 or S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S26	7	S20 and ((solv\$3 or solution) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S29	230	S21 or S22 or S23 or S24 or S25 or S26 or S28	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S20	984	S17 or S18 or S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S18	600	(gear near2 (system or train)) with (vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S24	67	S20 and ((oscillation or vibration) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S21	62	S20 and (gear with characteristic\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S22	22	S20 and (gear with parameter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S28	54	S20 and ((driving near2 gear) with (driven near2 gear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S32	157	(gear near2 (system or train)) with (simulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S33	680	(gear near2 (system or train)) same (simulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S34	680	S32 or S33	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S35	11	S34 and (gear near2 (system or train)) with (characteristic\$1 or parameter)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S36	37	S34 and (gear with (characteristic\$1 or parameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S37	251	S34 and ((driving or driven or final) near2 gear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S38	237	S34 and (simulat\$3 with gear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S39	31	S34 and (simulat\$3 with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S55	141	S35 or S36 or S39 or S40 or S41 or S43 or S44 or S45 or S46 or S47 or S48 or S49 or S49 c	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S41	10	S34 and ((acceptable or specified) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB

S40	5	S34 and ((oscillation or vibration) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S42	16	S34 and (equation with (motion or oscillation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S43	15	S34 and (equation with (solv\$3 or solution))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S44	32	S34 and (gear with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S45	19	S34 and ((frequency or amplitude) with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S47	4	S34 and ((frequency or amplitude) with (acceptable or specified))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S46	18	S34 and ((frequency or amplitude) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S49	11	S34 and (gear near2 (system or train) with (characteristics\$1 or parameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S48	38	S34 and (output\$4 with (characteristic\$1 or parameter))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S50	4	S34 and ((oscillation or vibration) with ((driven or final) near2 gear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S51	4	S34 and (differential near2 equation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S52	0	S34 and ("algebraic-differential" near2 equation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S53	15	S34 and (response near2 characteristic\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S54	21	S34 and ((frequency or amplitude) with response)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S56	37	S37 or S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S57	88	S55 and S56	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S58	141	S55 or S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S64	24	S62 and (gear with parameter\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S72	101	S69 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S59	407	(gear near2 (system or train)) with (oscillation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S68	7	S62 and ((solv\$3 or solution) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S67	87	S62 and ((oscillation or vibration) with (model or function or equation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S73	239	S71 or S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S63	63	S62 and (gear with characteristic\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S61	40	(gear near2 (system or train)) with (torsional near2 vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S65	5	S62 and (simulat\$3 with (oscillation or vibration))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S70	56	S62 and ((driving near2 gear) with (driven near2 gear))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S71	239	S63 or S64 or S65 or S66 or S67 or S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S69	221	S62 and ((oscillation or vibration) with (frequency or amplitude))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S60	614	(gear near2 (system or train)) with (vibration)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S74	10	S73 and (gear with simulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S62	1007	S59 or S60 or S61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S66	74	S62 and ((oscillation or vibration) with (range or tolerance))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
S75	2		20040133404 US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB
L20	49043	700\$.ccis.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
L21	354	20 and (gear near2 (system or train))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
L22	0	20 and ((gear near2 (system or train)) with (oscillation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
L24	0	20 and ((gear near2 (system or train)) with (torsional near2 vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
L23	3	20 and ((gear near2 (system or train)) with (vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

10/684262 Kiwamura Morita et al.

Results of search set S91:
Document Kind Codes Title

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Current OR

Abstract

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US 20060122027 A1	Automatic transmission and gear train	20060608 475/338
US 20060081432 A1	Torsional vibration damper of a rotating shaft	20060420 188/380
US 20050284226 A1	System and method for monitoring the condition of a drive train	20051229 73/593
US 20050247503 A1	Vibration suppression apparatus and method for hybrid vehicle	20051110 180/300
US 20050247132 A1	STRUCTURALLY TUNED VIBRATION BASED COMPONENT CHECKING SYSTEM AND METHOD FOR DRIVING AN ENDLESS BELT AND IMAGE FORMING APPARATUS USING THE SAME	20051110 73/660
US 20050220491 A1	Torsional vibration damper of a rotating shaft	20051006 399/167
US 20050205377 A1	Device for driving an endless belt and image forming apparatus using the same	20050922 188/291
US 20050195689 A1	Electric watch with radio communication function	20050908 368/47
US 20050187563 A1	Hair removal device with disc and vibration assemblies	20050825 606/133
US 20050178226 A1	Gear transmitting device and electronic apparatus	20050818 74/414
US 200501277203 A1	Transverse axes oscillating water sprinkler with cam driven, oscillating nozzles	20050616 239/200
US 20050126318 A1	Variable rate impact and oscillation absorber in starter motors	20050616 74/7E
US 20050115346 A1	Method of changing gears of automobile, automotive gear shifter, controller for automotive gear	20050602 74/335
US 20050072965 A1	Electronic winch monitoring system	20050407 254/361
US 20050056575 A1	Media thickness detector	20050317 209/586
US 20050041996 A1	Rotary developing device	20050224 399/227
US 20050034540 A1	Isolation arrangement for system under test	20050217 73/862.322
US 20050014597 A1	Superfinishing large planetary gear systems	20050120 475/344
US 20040233794 A1	Timepiece driving apparatus and time calculating apparatus	20041125 368/157
US 20040200283 A1	Synchronous averaging of epicyclic sun gear vibration	20041014 73/593
US 20040176902 A1	Vibration monitoring system for gas turbine engines	20040909 701/100
US 20040133404 A1	Gear-driving-system designing system	20040708 703/1
US 20040112654 A1	HYBRID AUTOMOTIVE POWER TRAIN WITH TORSIONAL VIBRATION DAMPER	20040617 180/65.2
US 20040065268 A1	Livestock cooling system	20040408 119/448
US 20030230205 A1	Compensation of cylinder vibration in printing material processing machines	20031218 101/216
US 20030224893 A1	Wobbling inner gearing planetary gear system and method of assembling external gears	20031204 475/163
US 20030183467 A1	Placement of an auxiliary mass damper to eliminate torsional resonances in driving range in engine	20031002 188/380
US 20030163242 A1	Misfire detection system for vehicle multicylinder internal combustion engine	20030828 701/111
US 20030147671 A1	Rotary developing device	20030807 399/227
US 20030133814 A1	Hybrid bearing arrangement for centrifugal compressor	20030717 417/423.12
US 20030113132 A1	Driving apparatus and image formation apparatus using the driving apparatus	20030619 399/167
US 20030106444 A1	Method of driving a machine related to printing technology	20030612 101/211
US 20020190683 A1	Vibration control apparatus for vehicle having electric motor	20021219 318/632
US 20020112546 A1	High-speed rotation testing apparatus	20020822 73/781
US 2002011241 A1	Motor actuator	20020815 475/149
US 20020085086 A1	Device for driving an endless belt and image forming apparatus using the same	20020704 347/262
US 20020073795 A1	Low noise planetary gear design	20020620 74/460
US 20020070203 A1	Method for adjusting the oscillation frequency of a sprung balance for a mechanical timepiece	20020613 219/121.69
US 20020049118 A1	Method and apparatus for controlling a vehicle with a gear-shift transmission	20020425 477/107
US 2002001472 A1	Inking apparatus control means for rotary press	20020207 101/350.3
US 20020005127 A1	Printing press	20020117 101/141
US 20010014809 A1	Hair removal device with disc, vibration, and light assemblies	20010816 606/133
US 7063306 B2	Electronic winch monitoring system	20060620 254/361
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US 6914619 B2	Device for driving an endless belt and image forming apparatus using the same	20050705 347/154
US 6907325 B1	Method of operating a hybrid electric vehicle to limit noise, vibration, and harshness	20050614 701/22

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US 6883251 B2	Livestock cooling system	20050426 34/527
US 6832147 B2	Method and apparatus for controlling a vehicle with a gear-shift transmission	20041214 701/54
US 6829457 B2	Driving apparatus and image formation apparatus using the driving apparatus	20041207 399/167
US 6824546 B1	Hair removal device with disc and vibration assemblies	20041130 606/133
US 6813459 B2	Rotary developing device	20041102 399/227
US 6799453 B2	Misfire detection system for vehicle multicylinder internal combustion engine	20041005 73/117.3
US 6768938 B2	Vibration monitoring system for gas turbine engines	20040727 701/100
US 6756758 B2	Vibration control apparatus for vehicle having electric motor	20040629 318/434
US 6725780 B2	Method of driving a machine related to printing technology	20040427 101/484
US 6712727 B2	Motor actuator	20040330 475/149
US 6698352 B2	Inking apparatus control means for rotary press	20040302 101/349.1
US 6634292 B2	Printing press with means for connecting and disconnecting motors for oscillating roller	20031021 101/141
US 6632077 B2	Hybrid bearing arrangement for centrifugal compressor	20031014 417/423.6
US 6626139 B1	Gear mechanism of power transmitting system	20030930 123/192.2
US 6615670 B2	High-speed rotation testing apparatus	20030909 73/781
US 6534742 B2	Method for adjusting the oscillation frequency of a sprung balance for a mechanical timepiece	20030318 219/121.69
US 6490940 B1	Motor vehicle starter with reduction gear comprising means forming torsional damper	20021210 74/7E
US 6436106 B2	Hair removal device with disc, vibration, and light assemblies	20020820 606/133
US 6298725 B1	Method for the separation of epicyclic planet gear vibration signatures	20011009 73/593
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US 62772288 B1	Vibration correction system for a camera	20010807 396/55
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US 5931052 A	Clutchshaft gear torsional vibration isolator assembly for an engine	19990803 74/574.4
US 5929588 A	Electric motor control system for automobile wiper assembly	19990727 318/653
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US 5766109 A	Torsional vibration damper with a planetary gearset	19980616 475/347
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US 5729782 A	Camera film feed drive system reducing vibration and noise	19980317 396/418
US 5708266 A	Rotary motion detector	19980113 250/231.14
US 5684640 A	Camera with vibration compensation device having anti-vibration lens urging mechanism and	19971104 359/694
US 5655985 A	Gear system, particularly multisatellite gear system	19970812 475/179

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US 5594175 A	Apparatus and method for non-invasive diagnosis and control of motor operated valve condition	19970114 73/593
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US 5451127 A	Dual-function electrical hand drill	19950919 408/20
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JP 08310419 A	REDUCTION GEAR FOR MOTOR-DRIVEN POWER STEERING DEVICE	19961126
JP 05071586 A	VIBRATION SUPPRESSING DEVICE FOR INTERNAL COMBUSTION ENGINE	19930323
JP 04164162 A	GEAR PRIME MOVER	19920609
JP 02208534 A	GEAR TESTER	19900820
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Interference checked

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L#	Hits	Search String	Databases
L1	9624	gear near2 (system or train) (gear near2 (system or train)) with (oscillation)	US-PGPUB
L2	40	(gear near2 (system or train)) with (vibration)	US-PGPUB
L3	80	(gear near2 (system or train)) with (torsional near2 vibration)	US-PGPUB
L4	6	(gear near2 (system or train)) with (torsional near2 vibration)	US-PGPUB
L5	120	2 or 3 or 4	US-PGPUB
L6	19	5 and (gear with characteristic\$1)	US-PGPUB
L7	11	5 and (gear with parameter\$1)	US-PGPUB
L8	1	5 and (simulat\$3 with (oscillation or vibration))	US-PGPUB
L9	20	5 and ((oscillation or vibration) with (range or tolerance))	US-PGPUB
L10	43	5 and ((oscillation or vibration) with (frequency or amplitude))	US-PGPUB
L11	37	6 or 7 or 8 or 9	US-PGPUB
L12	60	10 or 11	US-PGPUB
L13	16	12 and (oscillation.CLM.)	US-PGPUB
L14	21	12 and (vibration.CLM.)	US-PGPUB
L15	8	12 and (parameter.CLM.)	US-PGPUB
L16	7	12 and (characteristic\$1.CLM.)	US-PGPUB
L17	19	12 and (range.CLM.)	US-PGPUB
L18	1	12 and (tolerance.CLM.)	US-PGPUB
L19	44	13 or 14 or 15 or 16 or 17 or 18	US-PGPUB

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Results of search set S91:	Document Kind	Code	Title	Issue Date	Current OR	Abstract
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US 20060254442 A1	Compensation of cylinder vibration in printing material processing machines			20061116	10/1216	
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US 20060081432 A1	Torsional vibration damper of a rotating shaft	20060420 188/380
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US 20050247503 A1	Vibration suppression apparatus and method for hybrid vehicle	20051110 180/300
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